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AN 67:12362 HCA
TI Ethylene copolymers with vinyl esters plasticized with phosphate and
carboxylic esters
IN Wartman, Lloyd H.
PA Union Carbide Corp.
SO U.S., 11 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US---3308086		19670307	US	19630830
	DE---1263296			DE	
	DE---1282942			DE	
AB	C2H4-vinyl acetate copolymers contg. 5-30% vinyl acetate were plasticized with 5-60% of an alkyl phthalate, hexahydrophthalate, adipate, azelate, or phosphate. Thus, an C2H4-vinyl acetate copolymer contg. 16.7% vinyl acetate was blended with 6% bis(2-ethylhexyl) phthalate plasticizer. The copolymer was fluxed over a 2-roll mill heated to 100.degree. and after 2 min. the plasticizer was added and fluxed until mixed. The plasticized copolymer compns. were more resilient than unplasticized compns. Bis(2-ethylhexyl) hexahydrophthalate, trioctyl phosphate, dioctyl azelate, bis(2-ethylhexyl) adipate or Bu 2-ethylhexyl phthalate was also used as the plasticizer.				
IT	Plasticizers (alkyl dicarboxylates and alkyl phosphates as, for ethylene-vinyl acetate polymers)				
IT	84-71-9	85-69-8	103-23-1	117-81-7	1806-54-8 2064-80-4
	RL: USES (Uses) (as plasticizer for ethylene-vinyl acetate polymers)				
IT	24937-78-8, uses and miscellaneous RL: USES (Uses) (plasticizers for, alkyl dicarboxylates or alkyl phosphates as)				

REFERENCE 14

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AN 1968-42985Q [00] WPIX
TI Polypropylene fabric finishing to improve properties.
DC A00
PA (MITR) MITR; (MITR) MITSUBISHI RAYON CO LTD
CYC 1
PI JP----69029554 B (196800)*
PRAI 1966JP-0081914 19661214
AB JP 69029554 B UPAB: 19930831
Polypropylene is mixed with 1-30% of mixture of 25-5% polyethylene and 75-95% low mol. wt. n-paraffin, spun and fabric, produced, and treated with treating agent after drying at > 130 deg.C but < melting pt. of polypropylene.
Can be used to improve colouring, flame-resistance, anti-static properties, crease-resistance, abrasion-resistance, anti-oxidn., softening, etc. and wash-resistant finish is obtd.
Suitable polyethylene has mol. wt. 12,000-120,000 and sp. gr. > 0.92 (obtd. by low, intermediate or high pressure process)
Suitable n-paraffin is paraffin, crystalline wax or polyethylene of average mol. wt. 500-3000.
Treating agent may be dye, pigment, size, water-proofing agent, flame-proofing agent, U. V. absorber, anti-oxidant, antistat, softener, etc.